

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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First Named Inventor: Sallaway, Peter J. Filing Date: 28 April 2000  
Group Art Unit: 2734 Examiner: Tran, K.  
Atty. Docket No.: M-5628 US  
Title: Detector For A Gigabit Ethernet Receiver  
Assignee(s): National Semiconductor Corporation

Mountain View, California  
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**MAIL STOP NON-FEE AMENDMENT  
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**AMENDMENT TO DRAWINGS**

Sir:

The drawings for the above patent application should be amended as prescribed below.

In Fig. 1, reference symbol "100" should be changed to "100" and the adjacent short line should be deleted; the label "Transmission Channel" should be added to block 104; and the left-hand and right-hand sets of three dots in block 104 should be deleted.

In Fig. 2, the label "4D" in block 211 should be changed to "4-D"; a dot should be placed at the point where the line connecting blocks 206 and 207 intersects the line extending to block 202; and an arrowhead should be added to each of the two lines that extends to the left-hand side of block 207.

In Fig. 4, reference symbol "104-L" should be changed to "104-L" and the adjacent short line should be deleted.

In Fig. 5A, all the curly brackets should be deleted; reference symbols "104-1", "104-2", "104-j", and "104-N" should be respectively changed to "103-1", "103-2", "103-j", and

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"103-N"; the two sets of three dots between blocks 501-2 and 501-j should be changed to a single, generally centered set of three dots; and the two sets of three dots between blocks 501-j and 502-N should be changed to a single, generally centered set of three dots.

In Fig. 5B, all the curly brackets should be deleted; and the label "Filters/Echo Cancelor" in block 508-j should be changed to "Filter/Echo Canceller".

In Fig. 6, reference symbol " $C_M$ " in block 600 should be changed to " $C_R$ ".

In Fig. 7, reference symbols "104-1", "104-2", "104-3", and "104-4" should be deleted; a minus sign should be added immediately to the left of each of circles 701-2, 701-3, and 701-4.

In Fig. 8, the two dashed-line portions that connect blocks 810 and 811 should be deleted.

In Fig. 9, the labels "104-1", "104-2", "104-3", and "104-4" should be deleted; each of the labels "Taps" in blocks 810-1, 810-2, 810-3, 810-4, 811-1, 811-2, 811-3, and 811-4 should be changed to "Tap"; and the dark rectangular line that demarcates block 900 should be changed to a dashed line.

In Fig. 10, the labels "1", "2", "3", and "4" respectively next to the labels "Detector" in respective blocks 1001-1, 1001-2, 1001-3, and 1001-4 should be deleted.

In Fig. 11A, the labels "Branch Metric Generation", "Add Compare Select", and "Starting Point Determination" in respective blocks 1101, 1102, and 1105 should be respectively changed to "Branch Metric Generator", "Add-Compare-Select Circuit", and "Starting Point Determiner".

In Fig. 15, reference symbol "1404" should be changed to "1404" and the adjacent short line should be deleted; each of the labels "Read" in blocks 1501-1, 1501-2, 1501-3, and 1501-4 should be changed to "Read Module"; the label "Final Decoder" above reference symbol 1504 in block 1504 should be changed to "Decoder"; and the label "Decoder" below reference symbol 1504 in block 1504 should be deleted.

In Fig. 16, the label "Add Compare Select" in block 1603-w should be changed to "Add-Compare-Select".

In Fig. 19, the short line adjacent to reference symbol 1900 should be deleted; the label "Pre-Eq" in block 1901 should be changed to "Pre-Eq."; an arrowhead should be added

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to the line that extends from block 1906 to circle 1902; and one of the four dots below block 1906 in block 1905 should be deleted.

In Fig. 20A, the short line adjacent to reference symbol 2000 in block 2000 should be deleted; the labels "FB Section" and "Starting Point" in respective blocks 2003 and 2007 should be respectively changed to "Feedback Section" and "Starting Point Determiner".

In Fig. 20B, reference symbol "2003" should be changed to "2003" and the adjacent short line should be deleted; the label "FB Look-up" in block 2100 should be changed to "Look-up Feedback Section"; and the set of three dots to the immediate right of block 2100 should be deleted.

Enclosed is a copy of the relevant drawing sheets in which the foregoing changes are indicated in red.

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